

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Currently Amended) A method for monitoring the performance of applications running on a plurality of servers in a distributed computing environment, comprising ~~the steps of~~:
receiving from a user selected information for monitoring, wherein the selected information for monitoring includes user selection of a level of monitoring, wherein each level of monitoring provides a different level of detail,
receiving from the user identification of a schedule for monitoring of the selected information, wherein the schedule consists of a group of schedule records, each of which is a combination of a start date and time and a monitoring level,
monitoring application performance in accordance with the selected information and in accordance with the identified schedule, wherein the monitoring commences with a first schedule record, wherein the monitoring changes when a current time is a start time and date of another schedule record, and wherein the monitoring continues through successive schedule records, and
making monitored performance information available to the user in accordance with the selected information.
2. (Original) The method of claim 1, wherein the user is prompted to identify a scope of information to be monitored, and wherein application server performance is monitored in accordance with the selected scope.
3. (Currently Amended) The method of claim 2, wherein said scope comprises a first monitoring level wherein the selected information comprises request level data and server level data, wherein the selected information includes availability management including information as to whether a particular application is running on a particular server, system resources including information as to an amount of available memory and a number of available connections, and basic request data including a number of requests being made and a number of requests being completed.

4. (Currently Amended) The method of claim 3, wherein said scope further comprises a second monitoring level wherein the selected information further comprises API level data for problem determination for servers with a high volume of transactions and occasional instability.

5. (Currently Amended) The method of claim 4, wherein said scope further comprises a third monitoring level, wherein the selected information further comprises method level data for problem determination for servers that have been selected for diagnostics, detailed workload characterization and profiling.

6. (Cancelled)

7. (Currently Amended) A method for monitoring the performance of applications running on a plurality of servers in a distributed computing environment, comprising ~~the steps of~~ :

prompting a user to select a server or server group, a resource, and a threshold or condition for notification,

in response to the prompting, receiving from the user information used for one of a threshold condition type of trap, a number of hits type of trap, and a resource consumption type of trap, wherein a trap is capable of providing a notification or alert to the user,

comparing the value or quality of a parameter to the threshold or condition, and[[,]]

if the parameter reaches the threshold or condition, logging information concerning the parameter.

8. (Currently Amended) The method of claim 7, further comprising ~~the step of~~ comparing the parameter to criteria for notifying a user, and notifying a user if the criteria are met.

9. (Currently Amended) The method of claim 7, wherein the threshold or condition is a value of a resource, wherein the value depends on the particular type of resource and further comprising:

in response to the threshold or condition being met, evaluating whether an alert condition has been triggered, and

in response to the alert condition having been triggered, communicating the alert condition to the user.

10. (Original) The method of claim 9, wherein the resource is a property of a method.

11. (Original) The method of claim 10, wherein the resource is CPU time.

12. (Currently Amended) The method of claim 7, wherein the threshold or condition is a number of hits, and further comprising:

in response to a request or statement meeting the threshold or condition, incrementing a hit counter, and

in response to sufficient hits being counted, reaching an alert condition.

13. (Original) The method of claim 12, wherein the resource is a request, and the condition is a string contained in the request.

14. (Original) The method of claim 7, wherein the resource relates to application server performance, and the condition is percentage of CPU time.

15. (Currently Amended) A method for monitoring the performance of applications running on a plurality of servers in a distributed computer system, comprising ~~the steps of~~ :

providing the user with performance information,

receiving from a user a selection of one of request analysis, method analysis, SQL analysis, and application server analysis,

prompting the user to select a metric, wherein the metric is based on the user selection of one of the request analysis, the method analysis, the SQL analysis, and the application server analysis,

in response to receiving the metric from the user, providing a trend analysis to the user,

receiving from the user a request for more specific performance information, and
providing more detailed performance information.

16. (Currently Amended) The method of claim 15, further comprising ~~the step of providing the user a selection of request analysis, method analysis, SQL analysis, server availability analysis, and application server analysis, and receiving a selection from the user~~ receiving from the user selection of server availability analysis.

17. (Cancelled)

18. (Currently Amended) The method of claim ~~[[17]]~~ 16, further comprising ~~the step of~~ receiving a request for a decomposition report on a portion of the trend analysis, and providing a decomposition report.

19. (Currently Amended) The method of claim 18, further comprising ~~the steps of~~ receiving a request for a detail report on portion of the decomposition report, and providing a detail report.

20-35. (Cancelled)

36. (Currently Amended) ~~A method for monitoring of performance of applications in a distributed environment~~ The method of claim 1, further comprising the steps of :
providing, in a system running at least one application, a management application having various components for monitoring and management, and
monitoring and providing to a user in real-time information concerning configuration of the components and the relationships between the components.

37. (Currently Amended) A system for monitoring the performance of applications running on a plurality of servers in a distributed computing environment, comprising:
means for receiving from a user selected information for monitoring, wherein the selected information for monitoring includes user selection of a level of monitoring, wherein each level of monitoring provides a different level of detail,
means for receiving from the user identification of a schedule for monitoring of the selected information, wherein the schedule consists of a group of schedule records, each of which is a combination of a start date and time and a monitoring level,

means for monitoring application performance in accordance with the selected information received from a user and in accordance with the identified schedule, wherein the monitoring commences with a first schedule record, wherein the monitoring changes when a current time is a start time and date of another schedule record, and wherein the monitoring continues through successive schedule records, and

means for making monitored performance information available to the user in accordance with the selected information.

38. (Original) The system of claim 37, further comprising means for prompting a user to identify a scope of information to be monitored, and means for monitoring application server performance in accordance with the selected scope.

39. (Currently Amended) The system of claim 38, wherein said scope comprises a first monitoring level wherein the selected information comprises request level data and server level data, wherein the selected information includes availability management including information as to whether a particular application is running on a particular server, system resources including information as to an amount of available memory and a number of available connections, and basic request data including a number of requests being made and a number of requests being completed.

40. (Currently Amended) The system of claim 39, wherein said scope further comprises a second monitoring level wherein the selected information further comprises API level data for problem determination for servers with a high volume of transactions and occasional instability.

41. (Currently Amended) The system of claim 40, wherein said scope further comprises a third monitoring level, wherein the selected information further comprises method level data for problem determination for servers that have been selected for diagnostics, detailed workload characterization and profiling.

42. (Cancelled)

43. (Currently Amended) A system for monitoring the performance of applications running on a plurality of servers in a distributed computing environment, comprising:

means for prompting a user to select a server or server group, a resource, and a threshold or condition for notification,

means for in response to the prompting, receiving from the user information used for one of a threshold condition type of trap, a number of hits type of trap, and a resource consumption type of trap, wherein a trap is capable of providing a notification or alert to the user,

means for comparing a value or quality of a parameter on the selected server or server group to the selected threshold or condition, and[[,]]

means for logging information concerning the selected parameter if the selected parameter reaches the selected threshold or condition.

44. (Original) The system of claim 43, further comprising means for comparing the parameter to criteria for notifying a user, and means for notifying a user if the criteria are met.

45. (Original) The system of claim 43, wherein the threshold or condition is a value of a resource, wherein the value depends on the particular type of resource and further comprising:

in response to the threshold or condition being met, means for evaluating whether an alert condition has been triggered, and

in response to the alert condition having been triggered, means for communicating the alert condition to the user.

46. (Original) The system of claim 45, wherein the resource is a property of a method.

47. (Original) The system of claim 46, wherein the resource is CPU time.

48. (Currently Amended) The system of claim 43, wherein the threshold or condition is a number of hits, and further comprising:

in response to a request or statement meeting the threshold or condition, incrementing a hit counter, and

in response to sufficient hits being counted, reaching an alert condition.

49. (Original) The system of claim 48, wherein the resource is a request, and the condition is a string contained in the request.

50. (Original) The system of claim 43, wherein the resource relates to application server performance, and the condition is percentage of CPU time.

51. (Currently Amended) A system for monitoring the performance of applications running on a plurality of servers in a distributed computer system, comprising:

means for providing the user with performance information, [[and]]

receiving from a user a selection of one of request analysis, method analysis, SQL analysis, and application server analysis,

prompting the user to select a metric, wherein the metric is based on the user selection of one of the request analysis, the method analysis, the SQL analysis, and the application server analysis,

in response to receiving the metric from the user, providing a trend analysis to the user,
and

means for providing more detailed performance information in response to a user request for more detailed performance information.

52. (Currently Amended) The system of claim 51, further comprising means for ~~providing the user a selection of request analysis, method analysis, SQL analysis, server availability analysis, and application server analysis, and means for receiving a selection from the user~~
receiving from the user selection of server availability analysis.

53. (Cancelled)

54. (Currently Amended) The system of claim [[53]] 52, further comprising means for receiving a request for a decomposition report on a portion of the trend analysis, and means for providing a decomposition report.

55. (Original) The system of claim 53, further comprising means for receiving a request for a detail report on portion of the decomposition report and means for providing a detail report.

56-71. (Cancelled)

72. (Currently Amended) ~~A system for monitoring of performance of applications in a distributed environment~~ The system of claim 37, further comprising:

means for providing, in a system running at least one application, a management application having various components for monitoring and management, and

means for monitoring and providing to a user in real-time information concerning configuration of the components and the relationships between the components.

73. (Currently Amended) A computer program for monitoring the performance of applications running on a plurality of servers in a distributed computing environment, said program consisting of instructions stored on a medium, said instructions, when executed on a processor causing the processor to execute ~~the steps of:~~

receiving from a user selected information for monitoring, wherein the selected information for monitoring includes user selection of a level of monitoring, wherein each level of monitoring provides a different level of detail,

receiving from the user identification of a schedule for monitoring of the selected information, wherein the schedule consists of a group of schedule records, each of which is a combination of a start date and time and a monitoring level,

monitoring application performance in accordance with the selected information and in accordance with the identified schedule, wherein the monitoring commences with a first schedule record, wherein the monitoring changes when a current time is a start time and date of another schedule record, and wherein the monitoring continues through successive schedule records, and

making monitored performance information available to the user in accordance with the selected information.

74. (Currently Amended) A computer program for monitoring the performance of applications running on a plurality of servers in a distributed computing environment, said program consisting of instructions stored on a medium, said instructions, when executed on a processor causing the processor to execute ~~the steps of~~:

prompting a user to select a server or server group, a resource, and a threshold or condition for notification,

in response to the prompting, receiving from the user information used for one of a threshold condition type of trap, a number of hits type of trap, and a resource consumption type of trap, wherein a trap is capable of providing a notification or alert to the user,

comparing the value or quality of a parameter to the threshold or condition, and[[,]]

if the parameter reaches the threshold or condition, logging information concerning the parameter.

75. (Currently Amended) A computer program for monitoring the performance of applications running on a plurality of servers in a distributed computer system, said program consisting of instructions stored on a medium, said instructions, when executed on a processor causing the processor to execute ~~the steps of~~:

providing the user with performance information,

receiving from a user a selection of one of request analysis, method analysis, SQL analysis, and application server analysis,

prompting the user to select a metric, wherein the metric is based on the user selection of one of the request analysis, the method analysis, the SQL analysis, and the application server analysis,

in response to receiving the metric from the user, providing a trend analysis to the user,
receiving from the user a request for more specific performance information, and
providing more detailed performance information.

76-79. (Cancelled)

80. (Currently Amended) ~~A computer program for monitoring of performance of applications in a distributed environment~~ The computer program product of claim 73, comprising the steps of
:

providing, in a system running at least one application, a management application having various components for monitoring and management, and

monitoring and providing to a user in real-time information concerning configuration of the components and the relationships between the components.